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SESSION

FULL ESTIMATED COST

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FILE 'CAPLUS' ENTERED AT 13:58:19 ON 10 SEP 2007

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FILE 'EMBASE' ENTERED AT 13:58:19 ON 10 SEP 2007

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FILE 'BIOSIS' ENTERED AT 13:58:19 ON 10 SEP 2007

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=> s asymmetric disulfide

L1 0 ASYMMETRIC DISULFIDE

=> s asymmetric disulfide

L2 147 ASYMMETRIC DISULFIDE

=> s polymer

L3 1739873 POLYMER

=> s L2 and L3

L4 5 L2 AND L3

=> dup rem L4

PROCESSING COMPLETED FOR L4

L5 5 DUP REM L4 (0 DUPLICATES REMOVED)

=> s sustained release

L6 51177 SUSTAINED RELEASE

=> s L4 and L6

L7 1 L4 AND L6

=> d 1-5 L4 ibib abs

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:1117570 CAPLUS

DOCUMENT NUMBER: 146:82228

TITLE: A New Efficient Photoiniferter for Living Radical Photopolymerization

AUTHOR(S): Lalevee, J.; Allonas, X.; Fouassier, J. P.

CORPORATE SOURCE: Department of Photochemistry, University of haute Alsace, Mulhouse, 68093, Fr.

SOURCE: Macromolecules (2006), 39(24), 8216-8218

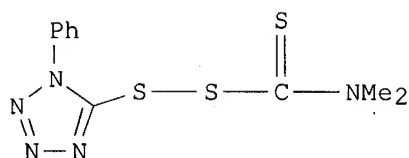
CODEN: MAMOBX; ISSN: 0024-9297

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



I

AB The new asym. disulfide photoiniferter (I) appears as powerful to control the final properties of the formed polymer. It leads to high Mn whereas a combination of I with a tetra-Me thiuram disulfide is better for obtaining both low Mn and narrower polydispersity index. The control of the polymerization of multifunctional monomers usable in the UV curing are also appears feasible. Compound I can also create a large variety of dormant species in a polymer matrix: the formation of a PMMA-polystyrene copolymer through a sequential approach was easily achieved.

REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:490449 CAPLUS

DOCUMENT NUMBER: 141:42925

TITLE: Asymmetric disulfides for restoring normal cellular functions

INVENTOR(S): Kirkpatrick, Lynn; Powis, Garth

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 23 pp., Cont.-in-part of U.S. Ser. No. 366,751.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004116496	A1	20040617	US 2003-617949	20030710
WO 9824472	A1	19980611	WO 1997-US22292	19971205
W: AL, AT, BA, BB, BG, BR, CA, CH, CU, CZ, EE, GE, HU, ID, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 6552060	B1	20030422	US 1998-132421	19980811
US 2002055131	A1	20020509	US 2001-875578	20010606
US 6689775	B2	20040210		
US 2003176512	A1	20030918	US 2003-366751	20030214
CA 2573060	A1	20050127	CA 2004-2573060	20040712
WO 2005007108	A2	20050127	WO 2004-US22280	20040712
WO 2005007108	A3	20050825		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,				

EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

PRIORITY APPLN. INFO.: US 1996-31995P P 19961206
US 1997-55201P P 19970811
WO 1997-US22292 W 19971205
US 1998-132421 A1 19980811
US 1999-319292 B1 19990603
US 2001-875578 A2 20010606
US 2003-366751 A2 20030214
US 2003-617949 A 20030710
WO 2004-US22280 W 20040712

AB The present invention is directed to a composition or formulation which includes an asym. disulfide which alone or in combination inhibits or interferes with cellular redox function, as well as a method of using same to restore normal cellular function. More specifically, the composition of the present invention is delivered to the patient over a period of time and interacts with, interfere with, or inhibits abnormal cellular proliferation and restores or prevents inhibition of cellular apoptosis. The asym. disulfide, preferably 1-methylpropyl-2-imidazolyldisulfide, is i.v. or orally administered to inhibit the abnormal cell growth, such as FAP polyps and angiogenesis.

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:345202 CAPLUS
DOCUMENT NUMBER: 136:361628
TITLE: Optical components
INVENTOR(S): Okubo, Takeshi; Kan, Takeshi
PATENT ASSIGNEE(S): Hoya Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002131502	A	20020509	JP 2000-327113	20001026
JP 3730107	B2	20051221		
AU 755212	B2	20021205	AU 2001-78283	20011009
EP 1211276	A2	20020605	EP 2001-124207	20011012
EP 1211276	A3	20031126		
EP 1211276	B1	20061220		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
AT 348851	T	20070115	AT 2001-124207	20011012
CA 2359876	A1	20020426	CA 2001-2359876	20011024
CA 2359876	C	20050614		
CN 1351009	A	20020529	CN 2001-135594	20011026
US 2002099167	A1	20020725	US 2001-984070	20011026
US 6559276	B2	20030506		
CN 1554958	A	20041215	CN 2004-10063844	20011026
KR 2004091600	A	20041028	KR 2004-66483	20040823
PRIORITY APPLN. INFO.:				
			JP 2000-327112	A 20001026
			JP 2000-327113	A 20001026
			KR 2001-65648	A3 20011024

AB The components (e.g. lenses) comprise a polymer of an asym. disulfide monomer.

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:344913 CAPLUS
DOCUMENT NUMBER: 136:355589
TITLE: Asymmetric disulfides and their

INVENTOR(S): manufacture for optical materials having high
 refractive index and Abbe's number
 PATENT ASSIGNEE(S): Okubo, Takeshi; Kan, Takeshi
 SOURCE: Hoya Corp., Japan
 Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002128756	A	20020509	JP 2000-327112	20001026
JP 3768397	B2	20060419		
AU 755212	B2	20021205	AU 2001-78283	20011009
EP 1211276	A2	20020605	EP 2001-124207	20011012
EP 1211276	A3	20031126		
EP 1211276	B1	20061220		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
AT 348851	T	20070115	AT 2001-124207	20011012
CA 2359876	A1	20020426	CA 2001-2359876	20011024
CA 2359876	C	20050614		
CN 1351009	A	20020529	CN 2001-135594	20011026
US 2002099167	A1	20020725	US 2001-984070	20011026
US 6559276	B2	20030506		
CN 1554958	A	20041215	CN 2004-10063844	20011026
KR 2004091600	A	20041028	KR 2004-66483	20040823
PRIORITY APPLN. INFO.:				
			JP 2000-327112	A 20001026
			JP 2000-327113	A 20001026
			KR 2001-65648	A3 20011024

OTHER SOURCE(S): MARPAT 136:355589

AB The compds. are manufactured by reaction of O-alkyl S-substituted sulfenyl thiocarbonates with thiols. Methoxycarbonylsulfenyl chloride was reacted with 1,2-dimercaptoethane in CH₂Cl₂ at room temperature for 2 h and treated with 2,3-epithiopropylmercaptan in the presence of NEt₃ in CH₂Cl₂ at room temperature for 3 h to give 1,6-bis(2,3-epithiopropyl)-1,2,5,6-tetrathiahexane, which was polymerized to give a polymer showing refractive index 1.735 and Abbe's number 32.1.

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1994:535436 CAPLUS

DOCUMENT NUMBER: 121:135436

TITLE: Ultrathin self-assembled polymeric films on solid surfaces. III. Influence of acrylate dithioalkyl side chain length on polymeric monolayer formation on gold

AUTHOR(S): Sun, F.; Grainger, D. W.; Castner, D. G.

CORPORATE SOURCE: Dep. Chem., Biochem. Mol. Biol., Oregon Grad. Inst. Sci. Technol., Portland, OR, 97291-1000, USA

SOURCE: Journal of Vacuum Science & Technology, A: Vacuum, Surfaces, and Films (1994), 12(4, Pt. 2), 2499-506
 CODEN: JVTAD6; ISSN: 0734-2101

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Self-assembled films of acrylate polymers containing dithioalkyl side chains of varying lengths have been fabricated on gold substrates by adsorption from dilute organic solution Anchoring alkyl side chain types studied

include lipoate (n = 4), pentyl dithioundecanoate (n = 10), pentyl dithiopalmate (n = 15), and pentyl dithiotricosonate (n = 22), where n represents the number of methylene units in the longer arm of the asym. disulfide side chain. Comprehensive

characterization of polymer monolayers by XPS and reflection Fourier transform IR spectroscopy showed improved order for structural assemblies of C11 (n = 10) side chain polymer monolayers, over shorter and longer side chain polymer analogs, due to a higher percentage of bound thiolate anchors. Monolayer thicknesses range from 20 to 40 Å, primarily depending on side chain length and d. along the polymer backbone. Cyclic voltammetry on gold electrodes shows that longer side chain polymer monolayers possess more structural defects resulting from considerable disorder in the films. Despite the less organized structural features for these polymer monolayers, their selective adsorption onto gold via specific side chain terminal disulfide anchors on microlithographed substrate patterns creates well-resolved surface-modified microstructures comparable to those from monomeric analogs, as shown by scanning Auger mapping.

=> s 141400-58-0
L8 21 141400-58-0

=> dup rem L8
PROCESSING COMPLETED FOR L8
L9 21 DUP REM L8 (0 DUPLICATES REMOVED)

=> s L8 and polymer
L10 1 L8 AND POLYMER

=> s sustained release
L11 51177 SUSTAINED RELEASE

=> s L8 and L11
L12 1 L8 AND L11

=> s L10 NOT L12
L13 0 L10 NOT L12

=> d L10 ibib abs

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:490449 CAPLUS
DOCUMENT NUMBER: 141:42925
TITLE: Asymmetric disulfides for restoring normal cellular functions
INVENTOR(S): Kirkpatrick, Lynn; Powis, Garth
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 23 pp., Cont.-in-part of U.S. Ser. No. 366,751.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004116496	A1	20040617	US 2003-617949	20030710
WO 9824472	A1	19980611	WO 1997-US22292	19971205
W:	AL, AT, BA, BB, BG, BR, CA, CH, CU, CZ, EE, GE, HU, ID, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
US 6552060	B1	20030422	US 1998-132421	19980811
US 2002055131	A1	20020509	US 2001-875578	20010606

US 6689775	B2	20040210		
US 2003176512	A1	20030918	US 2003-366751	20030214
CA 2573060	A1	20050127	CA 2004-2573060	20040712
WO 2005007108	A2	20050127	WO 2004-US22280	20040712
WO 2005007108	A3	20050825		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

US 1996-31995P	P	19961206
US 1997-55201P	P	19970811
WO 1997-US22292	W	19971205
US 1998-132421	A1	19980811
US 1999-319292	B1	19990603
US 2001-875578	A2	20010606
US 2003-366751	A2	20030214
US 2003-617949	A	20030710
WO 2004-US22280	W	20040712

AB The present invention is directed to a composition or formulation which includes an asym. disulfide which alone or in combination inhibits or interferes with cellular redox function, as well as a method of using same to restore normal cellular function. More specifically, the composition of the present invention is delivered to the patient over a period of time and interacts with, interfere with, or inhibits abnormal cellular proliferation and restores or prevents inhibition of cellular apoptosis. The asym. disulfide, preferably 1-methylpropyl-2-imidazolyldisulfide, is i.v. or orally administered to inhibit the abnormal cell growth, such as FAP polyps and angiogenesis.

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
46.08	46.29

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-4.68	-4.68

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NEWS	2	MAY 01	New CAS web site launched
NEWS	3	MAY 08	CA/CAPLUS Indian patent publication number format defined
NEWS	4	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	5	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	6	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	7	MAY 21	CA/CAPLUS enhanced with additional kind codes for German patents
NEWS	8	MAY 22	CA/CAPLUS enhanced with IPC reclassification in Japanese patents
NEWS	9	JUN 27	CA/CAPLUS enhanced with pre-1967 CAS Registry Numbers
NEWS	10	JUN 29	STN Viewer now available
NEWS	11	JUN 29	STN Express, Version 8.2, now available
NEWS	12	JUL 02	LEMBASE coverage updated
NEWS	13	JUL 02	LMEDLINE coverage updated
NEWS	14	JUL 02	SCISEARCH enhanced with complete author names
NEWS	15	JUL 02	CHEMCATS accession numbers revised
NEWS	16	JUL 02	CA/CAPLUS enhanced with utility model patents from China
NEWS	17	JUL 16	CAPLUS enhanced with French and German abstracts
NEWS	18	JUL 18	CA/CAPLUS patent coverage enhanced
NEWS	19	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	20	JUL 30	USGENE now available on STN
NEWS	21	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	22	AUG 06	BEILSTEIN updated with new compounds
NEWS	23	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	24	AUG 13	CA/CAPLUS enhanced with additional kind codes for granted patents
NEWS	25	AUG 20	CA/CAPLUS enhanced with CAS indexing in pre-1907 records
NEWS	26	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	27	AUG 27	USPATOLD now available on STN
NEWS	28	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	29	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS EXPRESS	05	SEPTEMBER 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 05 SEPTEMBER 2007.
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NEWS IPC8			For general information regarding STN implementation of IPC 8

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